| ATTENDEES: | Lloyd Carpenter | RDC | 982-3708 |
|---|---|---|---|
| | Al Fleig | 900 | 286-7747 |
| | Harold Geller | RDC | 982-3740 |
| | Tom Goff | RDC | 982-3704 |
| | Liam Gumley | RDC | 982-3748 |
| | Ravi Kumar | STX | 286-9515 |
| | Ed Masuoka | 920.2 | 286-7608 |
| | Al McKay | RDC | 982-3720 |
| | Jim Ormsby | 974 | 286-6811 |
| | Jack Schols | GSC | 953-2700 |

| NEXT MEETING: | Date | Time | Building | Room |
|---|---|---|---|---|
| | Friday, June 28 | 10:00am | 16 | 242 |

TOPICS:

1. MODIS ASSUMPTIONS LIST: The MODIS calibration will most likely depend upon calibration data taken from, say, 6 hours before to 6 hours after the observational data. The MCST would like to receive messages advising them of anomalies encountered in Level-1 processing. The MODIS Level-1A and Level-1B processing assumptions list should be completed with final modifications to the executive summary. It should then be sent to the MODIS Science Team Members for review and comments.

2. MODIS AIRBORNE SIMULATOR (MAS): Liam Gumley discussed his conversations with Mike King, Paul Menzel, and Alfredo Huete on MAS requirements for Level-1B data processing. He also talked with Chris Moeller at Wisconsin about browse/quick-look strategies for MAS Level-1B data. Information on the possible use of the Laboratory for Terrestrial Physics (LTP) facilities for MAS processing came from talks with Ed Masouka. There is also an IRIS system in Code 910 that might be utilized. Liam summarized the MAS instrument details, Level-1B processing requirements , proposed sequence of processing steps, questions and issues, and a preliminary schedule for MAS Level-1B processing system development.

Liam will visit the University of Wisconsin for about 3 days during the week of July 8th to get the existing software and some test data, and to discuss its use with Chris Moeller. After his return, Liam will put together a complete milestone schedule covering the conversion of all of the modules to assure that an operational system is in place at GSFC by

November.

3. CASE TOOLS: The SDST should identify a good set of Computer Aided Software Engineering (CASE) tools to be considered for use by the EOS project. We can assume that we will have at least one UNIX based system. Ed Masouka and Tom Goff will come up with CASE tool recommendations.

4. DATA GRANULE SIZES: Al McKay presented a preliminary report on data granule size considerations. Comments from Bob Evans state that, from experience with CZCS, granules that are too small lead to disastrous complexity in ancillary data acquisition, and continuing frustration among users. A fraction of an orbit should be optimum for a Level-1A processing granule, but investigators will need to access "subsetted" data products of less than a full granule.

Comments from Stuart Biggar, associate team member of Phil Slater's Land Calibration Team, state that they will order MODIS Level-1A data, but only during field campaigns. There will be perhaps a hundred of these campaigns during the 15-year project lifetime. They would prefer to receive a subsetted data block of perhaps a 512 x 512 pixel calibration area.

A question was sent to Bill Barnes regarding any affect of granule size on MCST activities.

The concepts of Processing Granule, Archive Granule, and Distribution Granule were discussed. The affects of different granule sizes on processing level transitions and the utility of metadata were considered.

ACTION ITEMS:

n n n n n n n n n n n n n n n n n n n

05/03/91 [Tom Goff and Team]: Document plans for Level-1A and Level-1B processing, and indicate what information will be included in each product. Include a list of assumptions, brief rationale, scenarios, and trade-offs. STATUS: Closed. Due date 06/07/91

05/03/91 [Lloyd Carpenter]: Prepare a Level-1 processing assumptions, questions and issues list, to be distributed to the Science Team Members

and the MCST for comment. (The list and a draft version of the executive summary were presented to the technical team. The final version, with a cover letter, should be distributed to the Science Team.) STATUS: Open. Due date 06/07/91.

05/31/91 [Liam Gumley]: Establish a connection with the proper person at Ames Research Center for communication on MAS formats, an interface control document, agreements, etc. STATUS: Open. Due date 07/19/91

06/07/91 [Liam Gumley]: Speak to Alan Strahler, when he returns, regarding his MAS requirements. STATUS: Open. Due date 07/05/91

06/21/91 [Liam Gumley]: Obtain a copy of all available MAS Level-1B processing software and any existing documentation from the University of Wisconsin at Madison for porting to a system at GSFC. STATUS: Open. Due date 07/19/91

06/21/91 [Liam Gumley]: Generate a complete milestone schedule for conversion, installation and testing of all modules of the MAS Level-1B processing software at GSFC. Draw up an agreement between the SDST and Mike King of what will be done. STATUS: Open. Due date 07/19/91

05/31/91 [Al McKay and Phil Ardanuy]: Examine the effects of MODIS data product granule size on Level-1 processing, reprocessing, archival, distribution, etc. (A preliminary report was presented at the meeting.) STATUS: Open. Due Date 06/21/91